

## 国产玉叶金花属新植物

徐祥浩 吴翰

(华南农业大学农业生物系, 广州)

### NEW TAXA OF MUSSAENDA Linn. FROM CHINA

HSUE HSIANG-HAO, WU HAN

(Department of Agriculture Biology, South China Agricultural University, Guangzhou)

**Key words** *Mussaenda*; *Mussaenda pingbianensis*; *M. chingii*; *M. multinervis*; *M. mollissima*; *M. inflata*

**关键词** 玉叶金花属; 屏边玉叶金花; 仁昌玉叶金花; 多脉玉叶金花; 粗毛玉叶金花; 胀管玉叶金花。

#### 1. 屏边玉叶金花 新种 图 1:1—5

***Mussaenda pingbianensis*** C. Y. Wu, sp. nov.

Ex affiniat *M. pubescentis* Ait. f., a qua ramulis glabratis; foliis ellipticis vel ovatis, subtus solummodo in costa nervis pubescentibus; ramis inflorescentiae longioribus; lobis petaloideis ovatis differt.

Frutex c. 3 m altus, ramulis glabris; foliis chartaceis ellipticis vel ovatis, 7—8.5 cm longis, 2.5—3.2 cm latis, apice acuminatis, basi cuneatis, margine integris, supra nitido-viridibus glabris, subtus glaucis solummodo ad costam nervosque pubescentibus; nervis lateralibus utrinsecus c. 7, curvato-adscendentibus; petiolis 6 mm longis, sparse adpresse pubescentibus; stipulis ovatis, bifidis, 3.5 mm longis, pubescentibus, caducis; inflorescentis terminalibus cymosis, multifloris, adpresse pubescentibus; bracteis lanceolatis, 8—12 mm longis, dense pubescentibus; floribus subsessilibus, in albastro calycis tubo turbinato, 3.5 mm longo, sparse pubescente, lobis normalibus 5 linearibus, 8.5 mm longis, intus glabris, extus sparse pilosis, lobis petaloideis albidis ovatis 5.5—6 cm longis apice acuminatis basi angustatis longitudinaliter 5-nerviis, stipite 1.4 cm longo; corollae tubo 14 mm longo, superne ampliato, extus adpresse pubescenti, intus superne dense flaxo-clavato-puberulo, lobis 5 aurantiacis ovatis mucronatis 2.5 mm longis, extus sparse pubescentibus, intus minute flavo-papillatis; staminibus 5 supra medium tubi corollae; stylo brevi bilobato glabro.

Yunnan (云南) Pingpian (屏边), in ravine, 17 May 1934, H. T. Tsai (蔡希陶) 55171 (Type, PE).



图1 1—5. 屏边玉叶金花 *Mussaenda pingbianensis* C. Y. Wu, 6—10. 胀管玉叶金花 *M. inflata* Hsue et H. Wu 1, 6.花枝 flowering branch; 2, 7.花 flower; 3, 8. 花萼 calyx; 4, 9.花冠 corolla; 5, 10.花柱 style. (杨可四绘)

本种与玉叶金花相近,但小枝无毛;叶椭圆形或卵形,背面仅脉上有柔毛;花序有较长的总花序梗;花叶卵形,易于区别。

## 2. 胀管玉叶金花 新种 图1:6—10

***Mussaenda inflata* Hsue et H. Wu, sp. nov.**

Species *M. hirsutulae* Miq. affinis, sed differt foliis ellipticis vel ovato-lanceolatis basi angustatis, calycis tubo turbinato, lobis lanceolatis, corollae tubo saepissime a fauce contracta basin versus gradatim inflato.

*Frutex scandens*, ramulis junioribus teretibus dense adpresse brunneo-pubescentibus vetustioribus glabris; foliis subcoriaceis ellipticis vel ovato-lanceolatis, 5.5—7.4 cm longis, 2.3 cm latis, apice acuminatis basi angustatis, utrinque dense adpresse pubescentibus; nervis lateralibus utrinsecus 5—6 curvato-adscendentibus; petiolis 5 mm longis, dense adpresse pubescentibus; stipulis bifidis, lobis lanceolatis 5 mm longis, extus dense pubescentibus; inflorescentis terminalibus cymosis pedunculatis dense rubro-brunneo-villosis; bracteis linearibus 4 mm longis; floribus brevipedicellatis; calycis tubo turbinato, sparse villosus, 4.5 mm longo; lobis normalibus 5 lanceolatis, 11—13 mm longis, apice acutis, extus sparse pubescentibus; lobis petaloideis late ellipticis, 4 cm longis, 2 cm latis, utrinque sparse pubescentibus, apice acutis basi angustatis, stipite c. 1 cm longo, sparse pubescentibus; corollae tubo 19 mm longo, extus dense pubescenti, intus superne dense flavo-clavatopuberulo saepissime ab fauce contracta basin versus gradatim inflato, lobis 5 aurantiacis, ovatis, 7 mm longis, acuminatis, extus sparse pubescentibus, intus dense minute flavopapillatis; staminibus 5 supra medium tubi corollae; stylo brevi, bilobato.

Guangtong (广东) Yangchun (阳春), 5 Nov. 1935, C. Huang (黄志) 38650 (Type, SCBI).

本种与毛玉叶金花相近,但叶椭圆形或卵状披针形,基部狭窄;花托筒陀螺形;萼裂片披针形;花冠管自喉部缢缩向基部膨胀,易于区别。

### 3. 粗毛玉叶金花 新种 图 2:1—6

***Mussaenda mollissima*** C. Y. Wu, sp. nov.

Species *M. hossei* Craib affinis, sed differt foliis brevipedicellatis, ellipticis vel late ovatis haud lanceolatis, basi saepe cuneatis, corollae lobis late ovatis apiculatis.

*Frutex* 1.7 m altus, ramulis teretibus dense griseo-luteo-tomentosis; foliis subcoriaceis ellipticis late ellipticis vel late ovatis, 8—11 cm longis, 4—7.2 cm latis, apice acutis basi cuneatis vel rotundis, utrinque dense griseo-luteo-tomentosis; nervis lateralibus utrinsecus 9—10 curvato-adscendentibus; petiolis 9 mm longis, dense griseo-luteo-tomentosis; stipulis ovatis, 6 mm longis, extus dense tomentosis, bilobatis, lobis linearibus 3.5 mm longis; inflorescentis terminalibus cymosis, pedunculis longioribus dense tomentosis; bracteis lanceolatis, 6 mm longis, extus dense tomentosis; floribus breve pedicellatis; calycis tubo cylindrico dense tomentoso 2.5—3.5 mm longo, lobis normalibus 5 lanceolatis, 3—4 mm longis, extus dense tomentosis; lobis petaloideis late obovatis, chartaceis, longitudinaliter 5-nerviis, 5.5 cm longis, 2.8 cm latis, utrinque dense tomentosis, apice acutis, basi acuminatis, stipite 1.4 mm longo dense tomentoso; corollae tubo 22.5 mm longo, superne gradatim ampliato, extus dense flavo-brunneo-villoso, intus superne dense flavo-clavato-puberulo, lobis 5 aurantiacis late ovatis, 4 mm longis apiculatis, extus dense flavo-brunneo-villosis, intus dense minute flavo-papillatis; staminibus 5 supra medium tubi corollae insertis; stylo brevi, bilobato; fructibus baccatis ellipticis, 1.2 cm longis, 0.9 cm, latis, extus parsissime villosis.

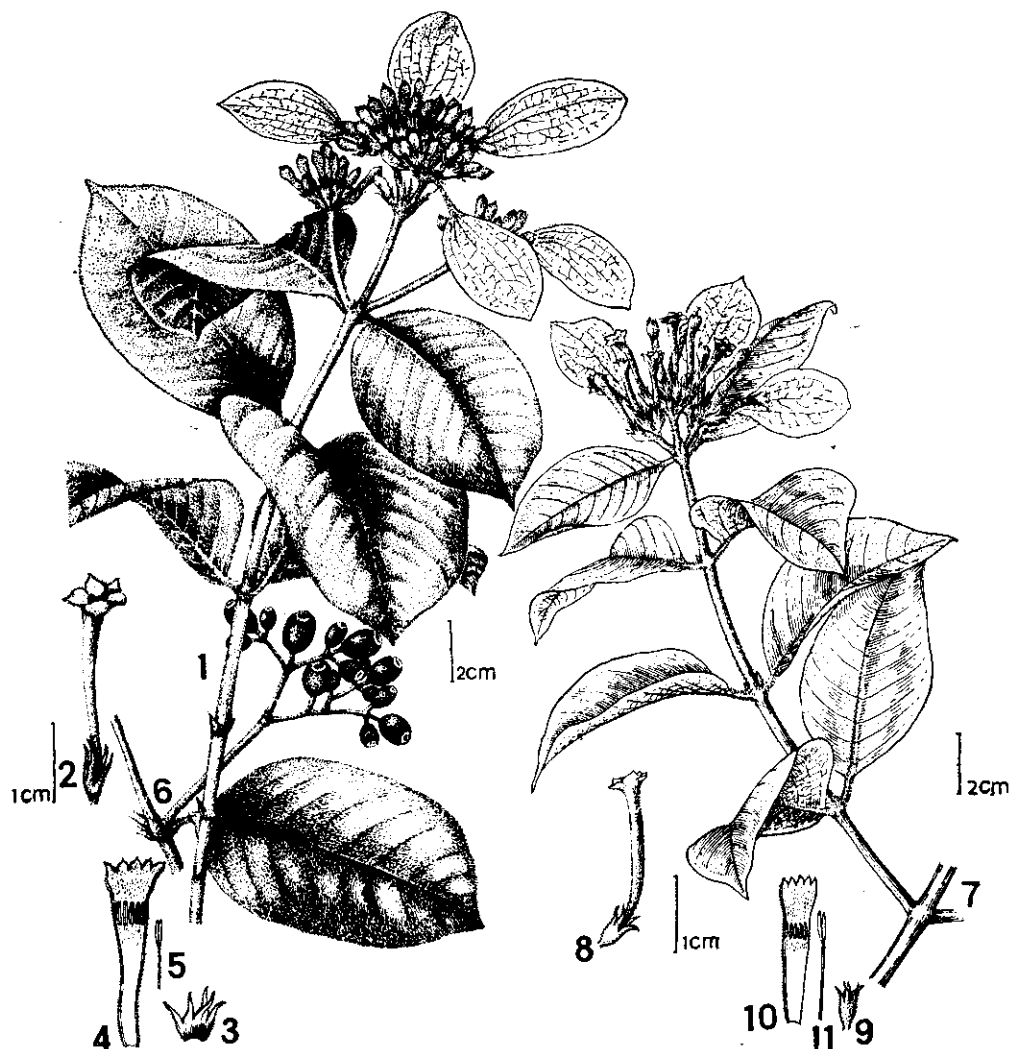


图 2 1—6. 粗毛玉叶金花 *M. mollissima* C. Y. Wu 7—11. 仁昌玉叶金花 *M. chingii* C. Y. Wu 1, 7. 花枝 flowering branch; 2, 8. 花 flower; 3, 9. 花萼 calyx; 4, 10. 花冠 corolla; 5, 11. 花柱 style; 6. 果枝 fruiting branch. (杨可四绘)

Yunnan (云南): Shiping (石屏), 29 May 1933, H. T. Tsai (蔡希陶) 53458 (Type, PE); Mengzhe (勐遮), June 1936, C. W. Wang (王启无) 77023.

本种与贺西玉叶金花相近, 但叶有短柄, 椭圆形或广卵形, 决非披针状, 基部常楔形; 花冠裂片广卵形, 具细尖头, 易于区别。

#### 4. 仁昌玉叶金花 新种 图 2: 7—11

*Mussaenda chingii* C. Y. Wu, sp. nov.

Species *M. brevilobae* S. Moore affinis, sed differt foliis chartaceis, late ovato-ellipticis vel late ovatis, apice cuspidatis, basi rotundatis utrinque parce dapresse pubescentibus; calycis tubo cylindrico, 2.5 mm longo, lobis normalibus lanceolato-triangulis, 1.5—2 mm longis.

Frutex c. 1.5 m altus, ramulis teretibus adpresse pubescentibus; foliis chartaceis late ovato-ellipticis vel late ovatis, 5.5—7.5 cm longis, 3—4.7 cm latis, apice cuspidatis basi rotundatis margine integris, supra nitido-viridibus, subtus glaucis, utrinque sparsissime adpresse pubescentibus, praecipue in nervis et nervulis densius pubescentibus; nervis lateralibus utrinsecus 6—7, curvato-adscendentibus; petiolis 5—6 mm longis sparse adpresse pubescentibus; stipulis lanceolatis vel ovatis, bifidis, 6 mm longis, 2.5 mm latis, dense pubescentibus, caducis; inflorescentis terminalibus cymosis, pedunculatis, dense pubescentibus; bracteis linearibus, 3.5 mm longis, dense pubescentibus; floribus breve pedicellatis; calycis tubo cylindrico, 2.5 mm longo, sparse pubescenti, lobis normalibus 5 lanceolato-triangularibus, 1.5—2 mm longis, acuminatis, extus dense pubescentibus, intus glabris; lobis petaloideis ellipticis, 2.4 cm longis, 9 mm latis, chartaceis, apice acuminatis, basi cuneatis, longitudinaliter 5-nerviis, stipite c. 1 cm longo; corollae tubo 21 mm longo, superne aliquanto ampliato, extus adpresse pubescenti, intus superne dense flavo-clavato-puberulo, lobis aurantiacis orbiculato-ovatis, apiculatis, 2.5 mm longis, extus sparse pubescentibus, intus minute flavo-papillatis; staminibus 5 supra medium tubi corollae, insertis; stylo 1.8 cm longo, bilobato.

Guangxi (广西): Luocheng (罗城), Da Lian Shan (大良山), in thicket, 25 May 1928, R. C. Cheng (秦仁昌) 5330 (Type, PE).

本种与短萼玉叶金花极相近,但叶纸质,广卵状椭圆形或广卵形,先端骤突,基部近圆形,两面有极疏散贴伏柔毛,脉上毛较稠密;花托筒圆筒状,长 2.5 毫米,萼裂片披针状三角形,长 1.5—2 mm,易于区别。

### 5. 多脉玉叶金花 新种 图 3

**Mussaenda multinervis** C. Y. Wu, sp. nov.

Species *M. trautleri* Stapf affinis, sed differt foliis late ellipticis vel ovatis, 16—22 cm longis, 8.5—12 cm latis, apice acutis basi angustatis, extus sparse pubescentibus, intus glabris, calycis lobis normalibus lanceolatis.

Frutex 2—3 m altus; ramulis hornotinis dense albido-pubescentibus, vetustioribus glabris aliquanto angulatis; foliis membranaceis, late ellipticis vel late ovatis, 16—22 cm longis, 8.5—12 cm latis, apice acutis basi angustatis, supra virellis sparsissime adpresse pubescentibus, subtus cinereis glabris, sed utrinque ad costam et nervulos densius adpresse pubescentibus; nervis lateralibus utrinsecus 6—7 curvato-adscendentibus; petiolis 3 cm longis, sparse pubescentibus; stipulis chartaceis ovato-lanceolatis, 1.3 cm longis, apice acuminatis, bilobatis; inflorescentis terminalibus cymosis pedunculatis, dense ravidopubescentibus; bracteis membranaceis, lanceolatis, dense pubescentibus, 9 mm longis; floribus caeruleis (e collectore), breve pedicellatis; calycis tubo urceolato sparse pubescenti, 2.5 mm longo, lobis normalibus 5 lanceolatis, 2 mm longis, extus pubescentibus, intus glabris; lobis petaloideis ovatis, 4 cm longis, 2.1 cm latis, apice, acutis, basi late cuneatis, margine villosis, ad nervos utrinque dense pubescentibus, stipite 1.9 cm longo;

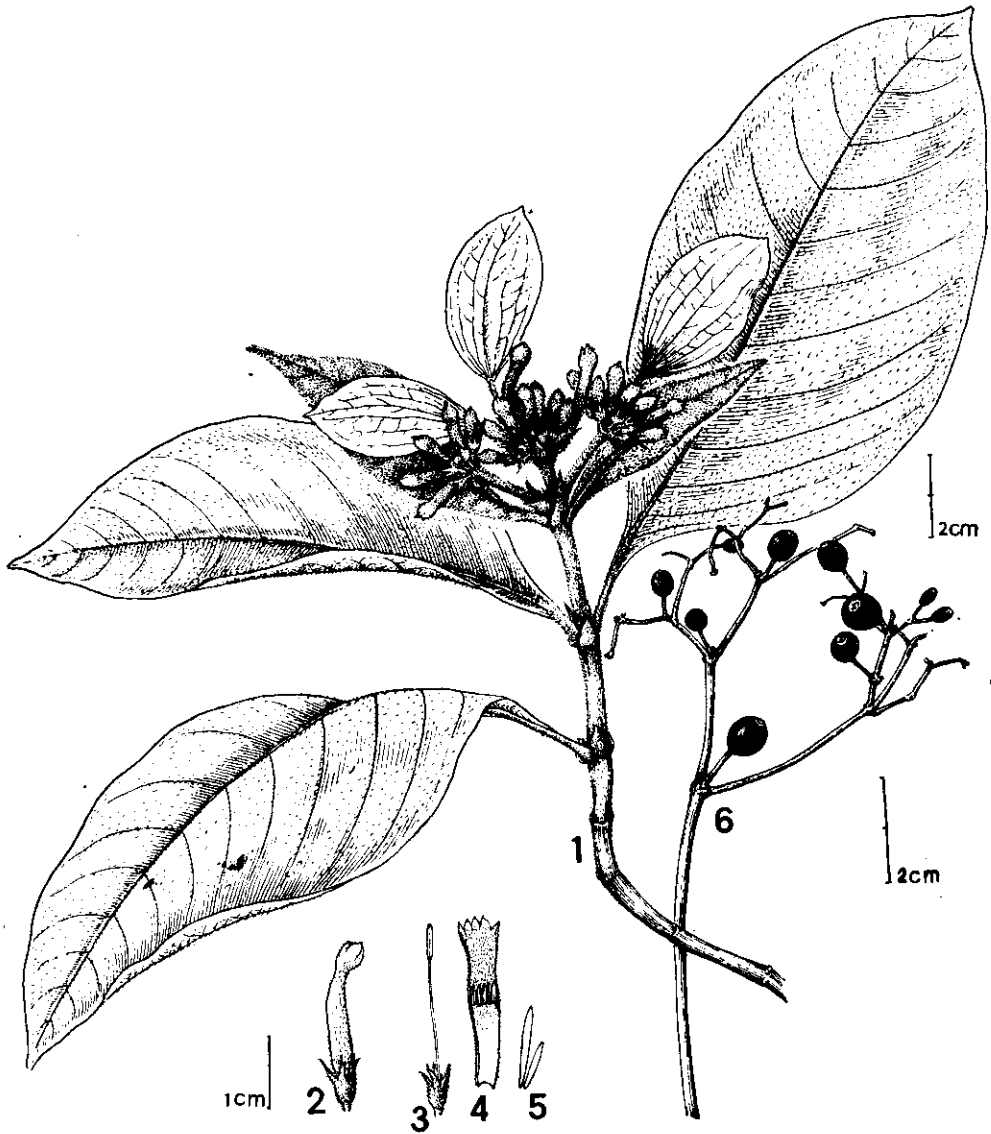


图3 多脉玉叶金花 *M. multinervis* C. Y. Wu 1.花枝 flowering branch; 2.花 flower; 3.花萼与花柱 calyx and style; 4.花冠 corolla; 5.花冠管内的黄色棒状毛 yellow clavate trichomes in corolla tube; 6.果枝 fruiting branch. (杨可四绘)

corollae tubo 2.3 cm longo, supra medium aliquanto ampliato, extus dense adpresse pubescenti, intus superne dense flavoelavato-puberulo, lobis rotundato-ovatis, mucronatis, 2.5 mm longis, extus sparse pubescentibus, intus sparse flavo-papillatis; staminibus 5 supra medium tubi corollae insertis; stylo 2.2 cm longo, bilobato; fructibus baccatis e. 0.5 cm diametro.

Yunnan (云南): Menghai (勐海), May 1936, C. W. Wang (王启无) 74191 (Type, PE); May 1936, C. W. Wang (王启无) 76023 (PE).

本种与杜拉玉叶金花相近,但叶广椭圆形或卵形,长 16—22 cm,宽 8.5—12 cm,先端

急尖,基部狭窄,表面疏被柔毛,背面无毛,萼裂片披针形,易于区别。

#### 6. 灵仙玉叶金花 新变型

**Mussaenda pubescens** Ait. f. forma **clematidiflora** Chun, f. nov.

A typo recedit calycis lobis leviter auctis petaloideis coloratis.

Guangtong (广东): Gaoyao (高要), May 1956, S. Wang (黄成) 161915 (Type, SCBI).

本变型和玉叶金花 *Mussaenda pubescens* Ait. f. 不同之处,为花萼裂片均略增大为有色花瓣状。

#### 7. 杜拉玉叶金花

**Mussaenda treutleri** Stapf in Curtis's Bot. Mag. **135**: t. 8254. 1909.

本种与 *Mussaenda frondosa* Linn. 和 *Mussaenda macrophylla* Wall. 相近,与前者不同在于毛被较稀疏,较粗糙;叶大;托叶宽;萼片多为草质,除边缘有刚毛状缘毛外近无毛;花芽有 5 棱角,花冠较大。与后者不同在于毛被较短,较稀疏,萼片常较狭窄,花芽有 5 棱角,易于区别。

分布热带喜马拉雅一带,新发现于我国云南省 (new to China): 河口,刘伟心 188 (1953, 7, 16);大理,吴征镒 20148 (1938, 9, 6)。